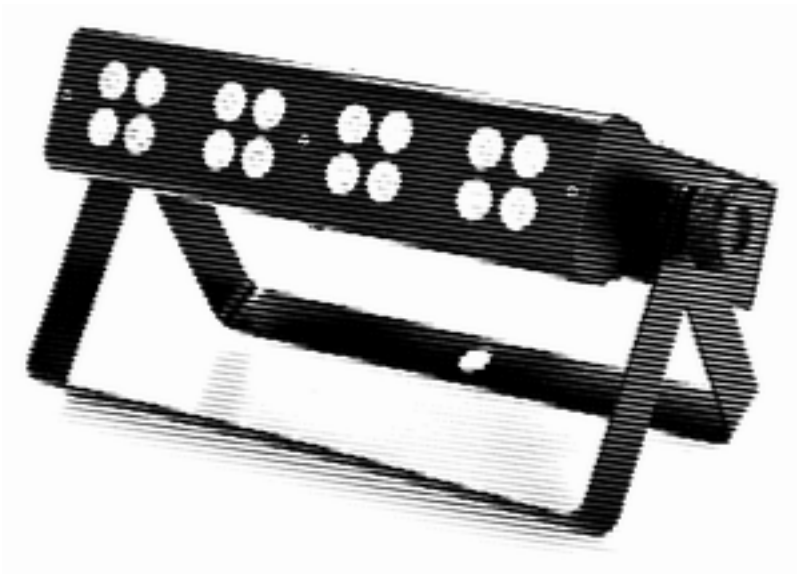

STAIRVILLE

xBrick Full-Colour 16×3W

LED floodlight

th•mann
MUSIC IS OUR PASSION

user manual

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1 General notes

This user manual contains important information on the safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device to another user, be sure that they also receive this manual.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

Symbols and signal words

This section gives an overview of the symbols and signal words used in this user manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
WARNING!	This combination of symbol and signal word indicates a possible dangerous situation that can result in death or serious injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
	Warning – high-voltage.

Warning signs	Type of danger
	Warning – suspended load.
	Warning – danger zone.

2 Safety instructions

Intended use

Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Safety

DANGER!

Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.

DANGER!

Electric shock caused by high voltages inside

Within the device there are areas where high voltages may be present. Never remove any covers.

There are no user-serviceable parts inside.

DANGER!

Electric shock caused by short-circuit

Always use proper ready-made insulated mains cabling (power cord) with a protective contact plug. Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.

WARNING!

Eye damage caused by high light intensity

Never look directly into the light source.

WARNING!

Risk of epileptic shock

Strobe lighting can trigger seizures in photosensitive epilepsy. Sensitive persons should avoid looking at strobe lights.

NOTICE!

Risk of fire

Do not block areas of ventilation. Do not install the device near any direct heat source. Keep the device away from naked flames.

NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

NOTICE!

Power supply

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

3 Installation

Unpack and check carefully there is no transportation damage before using the unit.

You can install the device on the wall, ceiling or floor. A mounting bracket and the necessary screws are included in the package.

WARNING!

Risk of injury caused by falling objects

Make sure that the installation complies with the standards and rules that apply in your country. Always secure the device with a secondary safety attachment, such as a safety cable or a safety chain.

NOTICE!

Risk of overheating

The distance between the light output and the illuminated surface must be more than 0.5 m (19.7 in).

Ensure also that there is enough room for ventilation.

The ambient temperature must always be below 40 °C (104 °F).

NOTICE!

Use of stands

When mounting the device onto a stand, ensure that the stand is in a safe and stable position and that the weight of the device does not exceed the maximum permissible load capacity of the stand.

NOTICE!

Possible data transmission errors

For error-free operation make use of dedicated DMX cables and do not use ordinary microphone cables.

Never connect the DMX output to audio devices such as mixers or amplifiers.

DMX connections

The unit offers a 3-pin XLR socket for DMX output and a 3-pin XLR plug for DMX input. Please refer to the drawing and table below for pin assignment.

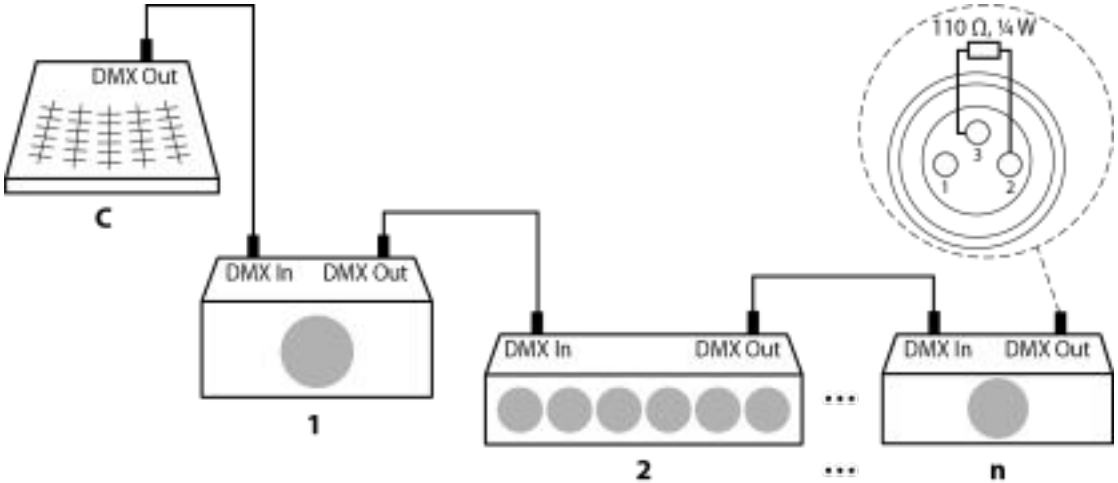
1	Ground, shielding
2	DMX data (–)
3	DMX data (+)

4 Starting up

Establish all connections as long as the unit is switched off. Use the shortest possible high-quality cables for all connections.

Connections in DMX mode

Connect the DMX input of the device to the DMX output of a DMX controller or another DMX device. Connect the output of the first DMX device to the input of the second one, and so on to form a daisy chain. Always ensure that the output of the last DMX device in the daisy chain is terminated with a resistor (110 Ω, ¼ W).

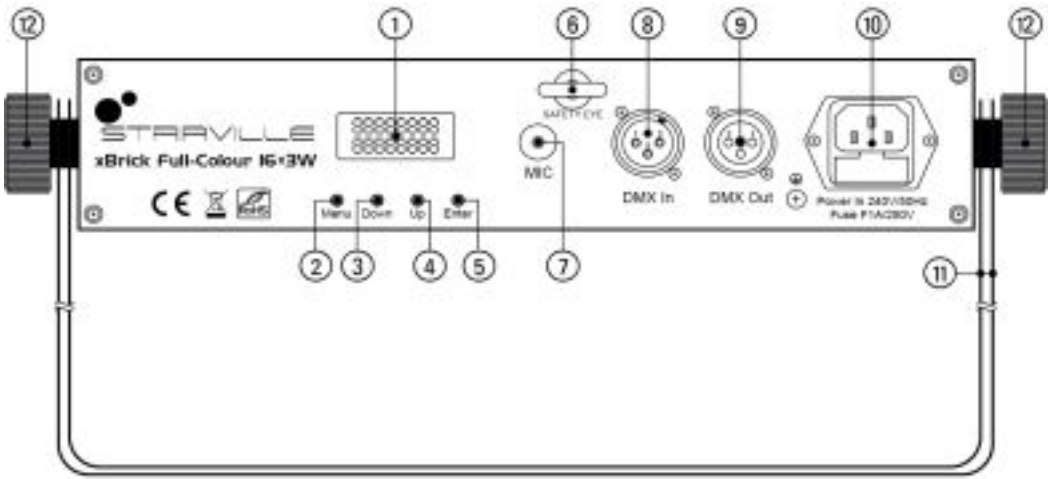


Connections in master/slave mode

When you configure a group of devices in master/slave mode, the first unit will control the other units for an automatic, sound-activated, synchronized show. This function is ideal when you want to start a show immediately. Connect the DMX output of the master device to the DMX input of the first slave device. Then connect the DMX output of the first slave device to the DMX input of the second slave device and so on.

5 Operating elements and functions

Rear panel



1	Display
2	Menu: to select the main menu
3	Down: to decrease the displayed value by one
4	Up: to increase the displayed value by one
5	Enter: to choose an option of the respective operating mode
6	Safety eye
7	MIC: built-in microphone for sound controlled operation
8	DMX In: DMX input
9	DMX Out: DMX output
10	Power In: mains socket with fuse holder. Please note the specification of allowed mains voltage underneath.
11	Mounting bracket
12	Locking screw for the mounting bracket

6 Operating

6.1 Starting the device

Connect the device to the mains power supply, to start operation. After few seconds the display shows, that the unit executes a reset. After that the unit is ready for operation. If it is configured to operate as Master", an automatic light show begins. According to your previous selection, the display show *'Master Sound'*, *'Master Fade'* or *'Master Color'*.

6.2 Main menu

Briefly press the *'MENU'* button, to select the main menu and the desired operating mode. Use the buttons *'Up'* and *'Down'*, to change the respectively displayed value. When the display shows the desired value, press the *'ENTER'* button.

If you don't press any button for about one minute, the unit will return to the previously selected mode. The set values remain actual, even if the device is disconnected from the mains power.

DMX address

Repeatedly press the *'MENU'* button, until the display shows *'DMX Address'*. Press *'ENTER'*. Now you can select the number of the first DMX channel to be used by the device (DMX address). Use the buttons *'Up'* and *'Down'* to select a value between 1 and 512.

When the display shows the desired value, press the *'ENTER'* button, to return to the main menu.

Make sure that this number matches the configuration of the DMX controller. The following table shows the highest DMX address possible for the respective DMX mode.

Mode	Highest DMX address possible
5 channels	508
13 channels	500

Operating mode „DMX“

Repeatedly press the *'MENU'* button, until the display shows *'Channel Mode'*. Press *'ENTER'*. Use the button *'Up'* and *'Down'*, to select one of the following DMX operating modes: 5 channels (*'5 Ch Mode'*) or 13 channels (*'13 Ch Mode'*). This setting is only relevant, if the device is operated via DMX.

If the display shows the desired value, press the *'ENTER'* button, to return to the main menu, or press and hold the *'MENU'* button pressed for at least two seconds, to instantly change the operating mode to „DMX“.

Operating mode „Master/Slave“

Repeatedly press the *'MENU'* button, until the display shows *'Slave Mode'*. Press *'ENTER'*. Use the buttons *'Up'* and *'Down'*, to select *'Master Mode'*, *'Slave1 Mode'* or *'Slave 2 Mode'*.

When in operating mode „Master/Slave“, the master device and those connected devices configured as „Slave 1“ work synchronously. Those devices configured as „Slave 2“ work mirror-inverted to the master device.

If the display shows the desired value, press the *'ENTER'* button, to return to the main menu.

Operating mode „Show“

The automatic show can only be activated on the master device.

Repeatedly press the *'MENU'* button, until the display shows *'Show Mode'*. Press *'ENTER'*. Use the buttons *'Up'* and *'Down'* to select between

- *'Sound'* (sound controlled show),
- *'Fade'* (automatic show with adjustable fade effect), and
- *'Color'* (automatic show with fast colour change)

When selecting „Fade“ press the *'ENTER'* button again. Use the buttons *'Up'* and *'Down'*, to adjust the speed between 1 (fast) and 9 (slow).

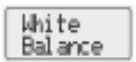
If the display shows the desired value, press the *'MENU'* button for at least two seconds. The device shows an automatic show. According to your selection the display shows *'Master Sound'*, *'Master Fade'* or *'Master Color'*.

LCD backlight

Repeatedly press the *'MENU'* button, until the display shows *'Black LCD'*. Press *'ENTER'*. Use the buttons *'Up'* and *'Down'* to choose between *'LCDLight On'* and *'LCDLight Off'*.

If the display shows the desired value, press the *'ENTER'* button, to return to the main menu.

White balance



For each of the four LED groups you can separately adjust the composition of white colour from the basic colours red, green, and blue.

Repeatedly press the *'MENU'* button, until the display shows *'White Balance'*. Press *'ENTER'*. Use the buttons *'Up'* and *'Down'* to choose between *'Red-1 Balance'*, *'Green-1 Balance'*, *'Blue-1 Balance'*, *'Red-2 Balance'* and so on.

If the display shows the desired basic colour and LED group, press *'ENTER'*. Now you can use the buttons *'Up'* and *'Down'* to enter a value between 0 and 255.

If the display shows the desired value, press the *'ENTER'* button.

Press *'MENU'*, to return to the main menu.

Self test

Repeatedly press the *'MENU'* button, until the display shows *'Auto Test'*. Press *'ENTER'*. Now the unit will execute a self test and show the basic colours red, green, blue, and subsequently white light.

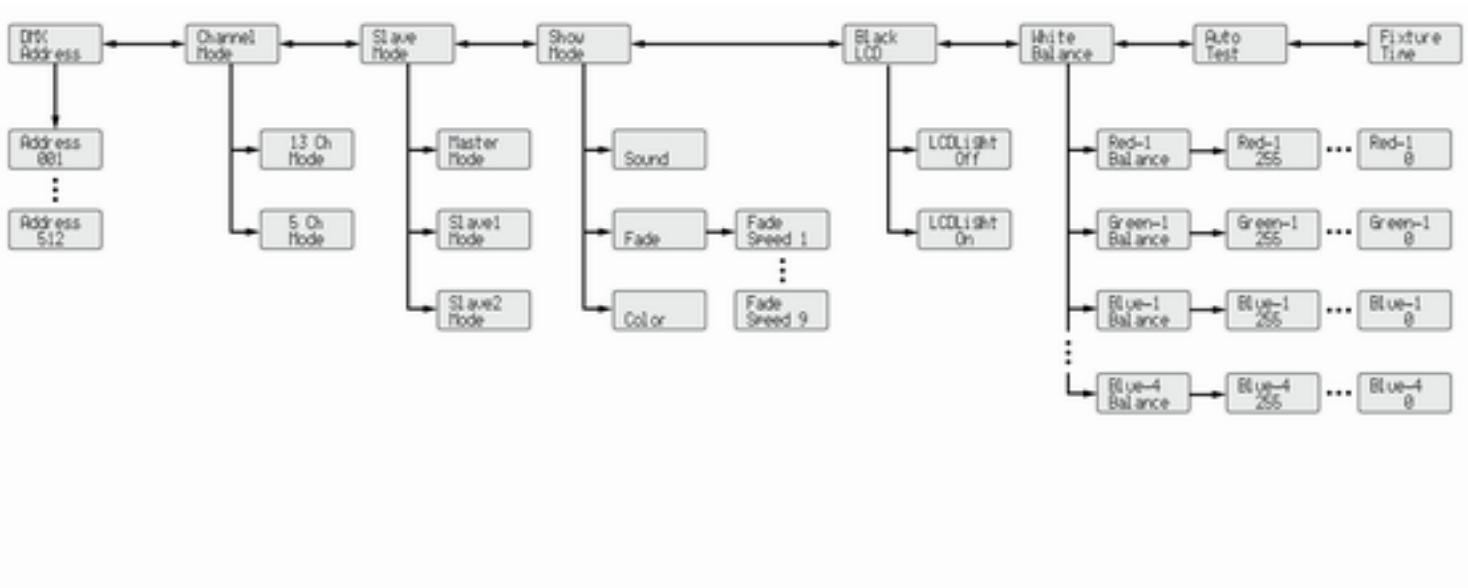
Press *'ENTER'*, to finish the self test and to return to the main menu.

Operating hours display

Repeatedly press the *'MENU'* button, until the display shows *'Fixture Time'*. Press *'ENTER'*. The display now shows the number of elapsed operating hours.

Press *'MENU'*, to return to the main menu.

6.3 Menu overview



6.4 Functions in 5-channel DMX mode

Channel	Value	Function
1	0…255	Intensity red (0 % to 100 %)
2	0…255	Intensity green (0 % to 100 %)
3	0…255	Intensity blue (0 % to 100 %)
4	0…255	Main control (master dimmer, 0 % to 100 %)
5	0…255	Strobe effect (increasing speed)

6.5 Functions in 13-channel DMX mode

In this mode the 16 LEDs are divided into four groups of 4 LEDs each. Each of the channels 1 to 12 controls one basic colour of a group.

Channel	Value	LEDs	Function
1	0…255	1 to 4	Intensity red (0 % to 100 %)
2	0…255		Intensity green (0 % to 100 %)
3	0…255		Intensity blue (0 % to 100 %)
4	0…255	5 to 8	Intensity red (0 % to 100 %)
5	0…255		Intensity green (0 % to 100 %)
6	0…255		Intensity blue (0 % to 100 %)
7	0…255	9 to 12	Intensity red (0 % to 100 %)
8	0…255		Intensity green (0 % to 100 %)

Channel	Value	LEDs	Function
9	0…255		Intensity blue (0 % to 100 %)
10	0…255	13 to 16	Intensity red (0 % to 100 %)
11	0…255		Intensity green (0 % to 100 %)
12	0…255		Intensity blue (0 % to 100 %)
13	0…255		Main control (master dimmer, 0 % to 100 %)

7 Troubleshooting

NOTICE!

Possible data transmission errors

For error-free operation make use of dedicated DMX cables and do not use ordinary microphone cables.

Never connect the DMX output to audio devices such as mixers or amplifiers.

Following we list a few common problems that may occur during operation. We give you some suggestions for easy troubleshooting:

The device does not work, no light and the fan does not work.

1. Check whether the unit is connected to mains power.
2. Check the mains power fuse.

The device is not responding to DMX controller.

1. Check the DMX connectors and cables for proper connection.
2. Check the DMX address settings and polarity.
3. Try to use another DMX controller.
4. Check to see if the DMX cables run near or even alongside to high voltage cables that may cause damage or interference to DMX interface circuitry.

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at *www.thomann.de*.

8 Cleaning

Optical lenses

Clean the exterior of accessible optical lenses periodically to optimise light output. The frequency of cleaning depends on the operating environment: wet, smoky or particularly dirty surroundings can cause more accumulation of dirt on the optics of the device.

- Clean with a soft cloth using normal glass cleaning products.
- Always dry the parts carefully.

9 Technical specifications

LEDs	16 × tri-3 W
Beam angle	30 °
Selectable DMX channels	5, 13
Power supply voltage	AC 230 V, 50 Hz
Fuse	5 mm × 20 mm, 1.0 A, 250 V, slow-blow
Power consumption	60 W
Dimensions (W × D × H)	310 mm × 175 mm × 72 mm
Weight	3 kg

10 Protecting the environment

Disposal of the packaging material

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose these materials with your normal household waste, but make sure that they are fed to a recovery. Please follow the notes and markings on the packaging.

Disposal of your old device

This device is subject to the European directive 2002/96/EC.

Do not dispose the device with your normal household waste.

Dispose this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.